

# COAL CREEK ENVIRONMENTAL ASSOCIATES, LLC

4621 118th Ave SE  
Bellevue, WA 98006

www.coalcreekenv.com

Phone: 425-373-4888  
Fax: 425-373-4888  
Cell: 425-922-0444

June 30, 2006

Mr. Ken Hanna  
Air Quality Division  
Idaho Department of Environmental Quality  
1410 North Hilton  
Boise, ID 83706-1255

*C: Ken Hanna  
IFRD  
Kenin* *Zach*

SUBJECT: Errata Pages for Applications for Renewal of Tier I Air Operating Permits  
Blackfoot and Rexburg Facilities of Basic American Foods

Dear Mr. Hanna:

*Errata pages were  
replaced in applications (original)*

Enclosed please find errata pages for the Applications for Renewal of Tier I Air Operating Permits for the Blackfoot and Rexburg Facilities of Basic American Foods. These pages are submitted in follow-up to your conversations with Bruce Wright and me regarding these applications.

The errata pages included with this transmittal are as follows:

1. Blackfoot Facility

- Text pages 3-11, 3-13, 3-15, and 3-16.
- Appendix B, "Section 2. Process and Manufacturing Operations" (16 pages)
- Appendix B, "Section 7. Solid Material Transport, Handling, and Storage" (2 pages)

2. Rexburg Facility

- Text pages 3-7, 3-8, and 3-10.
- Appendix B, "Section 2. Process and Manufacturing Operations" (24 pages)

Please substitute these pages for the corresponding numbered pages in the applications delivered to you on Monday, June 12. The removed pages should be destroyed or sent back to us, at your convenience.

Yours truly,



Stephen J. Nelson, PE  
Manager  
Coal Creek Environmental Associates, LLC

Attachment

Cc: BAF – Bruce Wright  
Keith Keller  
Deloris Aguilar

RECEIVED

JUL 05 2006

Department of Environmental Quality  
State Air Program

**APPLICATION FOR RENEWAL OF TIER I AIR OPERATING PERMIT - REXBURG  
FACILITY OF BASIC AMERICAN FOODS**

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## **PROCESS A**

### **PROCESS DESCRIPTION AND OPERATIONS**

Process A produces dehydrated potato products. Raw material input to the process is cooked potatoes and food additives, including sulfites. Products are produced via a series of cooling, drying, and materials separation processes, as illustrated in the process flow diagram for Process A (Figure 3-2). The maximum hourly feed rate is 30,600 pounds per hour, average hourly feed rate on the maximum day, with a maximum production rate of 5,100 pounds per hour, average hourly production on the maximum day. Process A can operate up to 8,760 hours per year. Maximum annual production is 45 million pounds. There are no alternate operating scenarios.

Drying heat is provided by both natural gas combustion and steam produced by the plant boilers.

Emissions from Process A include both process emissions and products of combustion from those sources that combust natural gas as part of the process. Process emissions include:

- PM and PM-10, associated with entrainment and condensation of particulates in exhaust air streams; and
- Sulfur dioxide, associated with conversion of sulfites to sulfur dioxide.

Emissions that are products of natural gas combustion include CO, NO<sub>x</sub>, SO<sub>2</sub>, PM, PM-10, VOC, Pb, and certain HAPs and TAPs.

Process A was constructed in the early 1960s.

### **SIGNIFICANT EMISSIONS UNITS**

Process A includes the following significant emissions units:

<b>Emissions Unit</b>	<b>Description of Unit</b>
7020	Stack 7020 is a vent from a cooler used to cool wet cooked food solids prior to further processing. The air supply to the cooler is unconditioned room air. This unit can operate up to 8760 hours per year.
7101	Stack 7101 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by natural gas combustion. The burners are rated at 6.5 MMBTU/hr.

## **APPLICATION FOR RENEWAL OF TIER I AIR OPERATING PERMIT - REXBURG FACILITY OF BASIC AMERICAN FOODS**

<b>Emissions Unit</b>	<b>Description of Unit</b>
7102	Stack 7102 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by natural gas combustion. The burners are rated at 6.5 MMBTU/hr.
7019	Stack 7019 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by both steam and natural gas combustion. The gas burners in the dryer are rated at 6.6 MMBTU/hr.

### **INSIGNIFICANT EMISSIONS UNITS**

The following Process A activities are insignificant emissions units on the basis of size or production rate, per IDAPA 16.01.01.317.01b:

- 7001
- 7027
- 7006

Insignificant activities associated with the boiler process are included in the insignificant activities listed provided above for plantwide activities.

### **EMISSION LIMITS**

There are no limits on emissions from Process A established in Permits or Orders. Emissions from Process A are subject to the following general limits established by regulations:

- PM emissions

A source operating prior to October 1, 1979 may not discharge PM in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour.

- If PW is less than 17,000 lb/hr,  $E = 0.045(PW)^{0.6}$
- If PW is equal to or greater than 17,000 lb/hr,  $E = 1.12(PW)^{0.27}$

- Visible emissions

Visible emissions from any point of emission may exceed 20 percent opacity for no more than an aggregate of three minutes in any 60-minute period.

### **OPERATING REQUIREMENTS**

There are no applicable operating requirements for Process A.

**APPLICATION FOR RENEWAL OF TIER I AIR OPERATING PERMIT - REXBURG  
FACILITY OF BASIC AMERICAN FOODS**

Emissions Unit	Description of Unit
5037	Stack 5037 is a combined vent from a dryer and a cooler both used to dry and cool food solids as part of a dehydrated food production process. The dryer is heated by steam.
4000	Stack 4000 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by steam.
228	Stack 228 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by natural gas, with total burner capacity of 16.1 MMBtu/hr.
410/411	Stack 228 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by steam.
613/614	Stack 228 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by steam.
615/616	Stack 228 is a vent from a dryer used to dry food solids as part of a food dehydration process. The dryer is heated by steam.
572	Stack 572 is a vent from a materials recovery cyclone that is part of a pneumatic transfer system in the animal feed load-out system.

**INSIGNIFICANT EMISSIONS UNITS**

The following Process B activities are insignificant emissions units on the basis of size or production rate, per IDAPA 16.01.01.317.01b:

- 5034                      • 234                      • 311                      • 312
- 638                      • 707                      • 725                      • 8
- 5001                    • 5000                    • 432                    • 322
- 572

Insignificant activities associated with the boiler process are included in the insignificant activities listed provided above for plantwide activities.

**EMISSION LIMITS**

There are no limits on emissions from Process A established in Permits or Orders. Emissions from Process A are subject to the following general limits established by regulations:

- PM emissions

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process A	Process A	Process A
Stack Description	7020	7101	7102	7019	7001

#### DEQ Use Only

DEQ Plant ID Code					
DEQ Process Code					
DEQ Stack ID Code					
DEQ Building Code					
Primary SCC					
Secondary SCC					
DEQ Segment Code					

#### Part A: General Information

Process Code or Description	Process A	Process A	Process A	Process A	Process A
Stack Description	7020	7101	7102	7019	7001
Building Description	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan
Manufacturer	Custom	Custom	Custom	Custom	Custom
Model	-	-	-	-	-
Date Installed	1989	1965	1965	1994	1965
Last Date Modified					

#### Processing Data

Input #1	Material Description	cooked food	cooked food	cooked food	cooked food	cooked food
	Maximum Rate (1000 lbs/hour)	0	0	0	0	0
	Actual Rate (1000 lbs/hour)	0	0	0	0	0
Input #2	Material Description		natural gas	natural gas	natural gas	
	Maximum Rate (MMBtu/hr)		6.5	6.5	6.6	
	Actual Rate (1000 lbs/hour)		6.5	6.5	6.6	
Output	Material Description	dried food	dried food	dried food	dried food	dried food
	Maximum Rate (1000 lbs/hour)	40.8	20.4	20.4	40.8	5.1
	Actual Rate (1000 lbs/hour)	40.8	20.4	20.4	40.8	5.1

#### Potential HAPs in Process Stream

HAP Description		None	None	None	None	None
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#### Part B: Operating Data

Percent Fuel Consumption:	Dec-Feb		25	25	25	
	Mar-May		25	25	25	
	Jun-Aug		25	25	25	
	Sep-Nov		25	25	25	
Operating Schedule:	Hours/day	24	24	24	24	24
	Days/week	7	7	7	7	7
	Weeks/year	52	52	52	52	52

#### Pollution Control Equipment

Type	None	None	None	None	None
Type Code	000	000	000	000	000

#### Ventilation and Building/Area Data

Enclosed (Y/N)	Y	Y	Y	Y	Y
Hood type					
Minimum flow (acfm)					
Percent Capture Efficiency					
Building height (ft)	70	70	70	70	70
Building /area length (ft)	500	500	500	500	500
Building/area width (ft)	220	220	220	220	220
Ground elevation (ft)	4863	4863	4863	4863	4863
UTM x coordinate (km)	437	437	437	437	437
UTM y coordinate (km)	4854	4854	4854	4854	4854
Stack type	03	02	02	02	02
Stack height from ground level (ft)	72	71	71	66	66
Stack exit diameter (ft) (as modeled)	1.67	3.54	3.54	2.58	1.33
Stack exit gas flowrate (acfm) (as modeled)	0	0	0	0	0
Stack exit temperature (F)	97	174	153	135	90

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process A	Process A	Process A
Stack Description	7020	7101	7102	7019	7001
<b>Air Pollutant Emissions</b>					
PM: Emission Factor, lbs/000 lbs	0.018	0.140	0.140	0.116	0.053
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
PM10: Emission Factor, lbs/000 lbs	0.010	0.108	0.108	0.083	0.046
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
SO2: Emission Factor - process operation, lbs/000 lbs	0.0000	0.0050	0.0050	0.0050	0.0050
Emission Factor - fuel combustion, lbs/MMBtu		0.0024	0.0024	0.0024	
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.02	0.02	0.02	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
CO: Emission Factor, lbs/MMBtu		0.260	0.260	0.260	
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	1.690	1.690	1.716	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
NOx: Emission Factor, lbs/MMBtu		0.051	0.051	0.051	
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.332	0.332	0.337	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
VOC Emission Factor, lbs/MMBtu		0.005	0.005	0.005	
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.035	0.035	0.036	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
Lead Emission Factor, lbs/MMBtu		4.90E-07	4.90E-07	4.90E-07	
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00E+00	3.19E-06	3.19E-06	3.24E-06	0.00E+00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process A	Process A	Process A
Stack Description	7020	7101	7102	7019	7001
<b>Hazardous Air Pollutants</b>					
POM (including naphthalene)					
Emission Factor, lbs/MMBtu		8.65E-08	8.65E-08	8.65E-08	
Percent Control Efficiency		0	0	0	
Estimated or Measured Emissions (lbs/hr)		5.62E-07	5.62E-07	5.71E-07	
Reference		o	AP-42	AP-42	
Benzene					
Emission Factor, lbs/MMBtu		2.06E-06	2.06E-06	2.06E-06	
Percent Control Efficiency		0	0	0	
Estimated or Measured Emissions (lbs/hr)		1.34E-05	1.34E-05	1.36E-05	
Reference		AP-42	AP-42	AP-42	
Dichlorobenzene					
Emission Factor, lbs/MMBtu		1.18E-06	1.18E-06	1.18E-06	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		7.65E-06	7.65E-06	7.76E-06	
Reference		AP-42	AP-42	AP-42	
Formaldehyde					
Emission Factor, lbs/MMBtu		7.35E-05	7.35E-05	7.35E-05	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		4.78E-04	4.78E-04	4.85E-04	
Reference		AP-42	AP-42	AP-42	
Hexane					
Emission Factor, lbs/MMBtu		1.76E-03	1.76E-03	1.76E-03	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		1.15E-02	1.15E-02	1.16E-02	
Reference		AP-42	AP-42	AP-42	
Toluene					
Emission Factor, lbs/MMBtu		3.33E-06	3.33E-06	3.33E-06	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		2.17E-05	2.17E-05	2.20E-05	
Reference		AP-42	AP-42	AP-42	
Arsenic					
Emission Factor, lbs/MMBtu		1.96E-07	1.96E-07	1.96E-07	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		1.27E-06	1.27E-06	1.29E-06	
Reference		AP-42	AP-42	AP-42	
Beryllium					
Emission Factor, lbs/MMBtu		1.18E-08	1.18E-08	1.18E-08	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		7.65E-08	7.65E-08	7.76E-08	
Reference		AP-42	AP-42	AP-42	

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process A	Process A	Process A
Stack Description	7020	7101	7102	7019	7001
<b>Cadmium</b>					
Emission Factor, lbs/MMBtu		1.08E-08	1.08E-08	1.08E-08	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		7.01E-08	7.01E-08	7.12E-08	
Reference		AP-42	AP-42	AP-42	
<b>Chromium</b>					
Emission Factor, lbs/MMBtu		1.37E-08	1.37E-08	1.37E-08	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		8.92E-08	8.92E-08	9.06E-08	
Reference		AP-42	AP-42	AP-42	
<b>Cobalt</b>					
Emission Factor, lbs/MMBtu		8.24E-08	8.24E-08	8.24E-08	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		5.35E-07	5.35E-07	5.44E-07	
Reference		AP-42	AP-42	AP-42	
<b>Manganese</b>					
Emission Factor, lbs/MMBtu		3.73E-07	3.73E-07	3.73E-07	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		2.42E-06	2.42E-06	2.48E-06	
Reference		AP-42	AP-42	AP-42	
<b>Mercury</b>					
Emission Factor, lbs/MMBtu		2.55E-07	2.55E-07	2.55E-07	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		1.66E-06	1.66E-06	1.68E-06	
Reference		AP-42	AP-42	AP-42	
<b>Nickel</b>					
Emission Factor, lbs/MMBtu		2.06E-06	2.06E-06	2.06E-06	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		1.34E-05	1.34E-05	1.36E-05	
Reference		AP-42	AP-42	AP-42	
<b>Selenium</b>					
Emission Factor, lbs/MMBtu		2.35E-08	2.35E-08	2.35E-08	
Percent Control Efficiency		0.00E+00	0.00E+00	0.00E+00	
Estimated or Measured Emissions (lbs/hr)		1.53E-07	1.53E-07	1.55E-07	
Reference		AP-42	AP-42	AP-42	

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process B	Process B	Process B
Stack Description	7027	7006	5034	5037	4000
<b>DEQ Use Only</b>					
DEQ Plant ID Code					
DEQ Process Code					
DEQ Stack ID Code					
DEQ Building Code					
Primary SCC					
Secondary SCC					
DEQ Segment Code					
<b>Part A: General Information</b>					
Process Code or Description	Process A	Process A	Process B	Process B	Process B
Stack Description	7027	7006	5034	5037	4000
Building Description	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan
Manufacturer	Custom	Custom	Custom	Custom	Custom
Model	-	-	-	-	-
Date Installed	1965	1965	1993	1993	1997
Last Date Modified					
<b>Processing Data</b>					
Input #1 Material Description	cooked food	cooked food	cooked food	cooked food	cooked food
Maximum Rate (1000 lbs/hour)	0	0	0	0	0
Actual Rate (1000 lbs/hour)	0	0	0	0	0
Input #2 Material Description					
Maximum Rate (MMBtu/hr)					
Actual Rate (1000 lbs/hour)					
Output Material Description	dried food	dried food	dried food	dried food	dried food
Maximum Rate (1000 lbs/hour)	5.1	40.8	17	17	4
Actual Rate (1000 lbs/hour)	5.1	40.8	17	17	4
<b>Potential HAPs in Process Stream</b>					
HAP Description	None	None	None	None	None
<b>Part B: Operating Data</b>					
Percent Fuel Consumption:	Dec-Feb				
	Mar-May				
	Jun-Aug				
	Sep-Nov				
Operating Schedule:	Hours/day	24	24	24	24
	Days/week	7	7	7	7
	Weeks/year	52	52	52	52
<b>Pollution Control Equipment</b>					
Type	None	None	None	None	None
Type Code	000	000	000	000	000
<b>Ventilation and Building/Area Data</b>					
Enclosed (Y/N)	Y	Y	Y	Y	Y
Hood type					
Minimum flow (acfm)					
Percent Capture Efficiency					
Building height (ft)	70	70	70	70	70
Building /area length (ft)	500	500	500	500	500
Building/area width (ft)	220	220	220	220	220
Ground elevation (ft)	4863	4863	4863	4863	4863
UTM x coordinate (km)	437	437	437	437	437
UTM y coordinate (km)	4854	4854	4854	4854	4854
Stack type	02	02	02	02	02
Stack height from ground level (ft)	68	66	68	68	51
Stack exit diameter (ft) (as modeled)	1.17	0.90	0.72	2.21	2.79
Stack exit gas flowrate (acfm) (as modeled)	0	0	0	0	0
Stack exit temperature (F)	85	90	130	150	140

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process B	Process B	Process B
Stack Description	7027	7006	5034	5037	4008
<b>Air Pollutant Emissions</b>					
PM: Emission Factor, lbs/000 lbs	0.015	0.005	0.003	0.101	0.503
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
PM10: Emission Factor, lbs/000 lbs	0.008	0.003	0.001	0.076	0.430
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
SO2: Emission Factor - process operation, lbs/000 lbs	0.0000	0.0000	0.0000	0.1100	0.0650
Emission Factor - fuel combustion, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
CO: Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
NOx: Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
VOC Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
Lead Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process B	Process B	Process B
Stack Description	7027	7006	5034	5037	4000
<b>Hazardous Air Pollutants</b>					
POM (including naphthalene)					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Benzene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Dichlorobenzene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Formaldehyde					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Hexane					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Toluene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Arsenic					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Beryllium					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process A	Process A	Process B	Process B	Process B
Stack Description	7027	7008	5034	5037	4000
<b>Cadmium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Chromium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Cobalt</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Manganese</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Mercury</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Nickel</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Selenium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
<b>Stack Description</b>	<b>228</b>	<b>234</b>	<b>311</b>	<b>312</b>	<b>410/411</b>
<b>DEQ Use Only</b>					
DEQ Plant ID Code					
DEQ Process Code					
DEQ Stack ID Code					
DEQ Building Code					
Primary SCC					
Secondary SCC					
DEQ Segment Code					
<b>Part A: General Information</b>					
Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	228	234	311	312	410/411
Building Description	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan
Manufacturer	Custom	Custom	Custom	Custom	Custom
Model	-	-	-	-	-
Date Installed	1999	1999	1965	1965	1965
Last Date Modified					
<b>Processing Data</b>					
Input #1 Material Description	cooked food	cooked food	cooked food	cooked food	cooked food
Maximum Rate (1000 lbs/hour)	0	0	0	0	0
Actual Rate (1000 lbs/hour)	0	0	0	0	0
Input #2 Material Description	natural gas	natural gas			
Maximum Rate (MMBtu/hr)	9.66	6.44			
Actual Rate (1000 lbs/hour)	9.66	6.44			
Output Material Description	dried food	dried food	dried food	dried food	dried food
Maximum Rate (1000 lbs/hour)	4	4	1.5	1.5	1.5
Actual Rate (1000 lbs/hour)	4	4	1.5	1.5	1.5
<b>Potential HAPs in Process Stream</b>					
HAP Description	None	None	None	None	None
<b>Part B: Operating Data</b>					
Percent Fuel Consumption: Dec-Feb	25	25			
Mar-May	25	25			
Jun-Aug	25	25			
Sep-Nov	25	25			
Operating Schedule: Hours/day	24	24	24	24	24
Days/week	7	7	7	7	7
Weeks/year	52	52	52	52	52
<b>Pollution Control Equipment</b>					
Type	None	None	None	None	None
Type Code	000	000	000	000	000
<b>Ventilation and Building/Area Data</b>					
Enclosed (Y/N)	Y	Y	Y	Y	Y
Hood type					
Minimum flow (acfm)					
Percent Capture Efficiency					
Building height (ft)	70	70	70	70	70
Building /area length (ft)	500	500	500	500	500
Building/area width (ft)	220	220	220	220	220
Ground elevation (ft)	4863	4863	4863	4863	4863
UTM x coordinate (km)	437	437	437	437	437
UTM y coordinate (km)	4854	4854	4854	4854	4854
Stack type	02	02	02	02	02
Stack height from ground level (ft)	38	35	31	31	31
Stack exit diameter (ft) (as modeled)	4.21	3.84	2.94	2.94	3.61
Stack exit gas flowrate (acfm) (as modeled)	0	0	0	0	0
Stack exit temperature (F)	170	160	124	114	130

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	228	234	311	312	410/411
<b>Air Pollutant Emissions</b>					
PM: Emission Factor, lbs/000 lbs	0.320	0.092	0.228	0.228	0.458
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
PM10: Emission Factor, lbs/000 lbs	0.274	0.078	0.195	0.195	0.391
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
SO2: Emission Factor - process operation, lbs/000 lbs	0.0420	0.0120	0.0300	0.0300	0.0590
Emission Factor - fuel combustion, lbs/MMBtu	0.0024	0.0024			
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.02	0.02	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
CO: Emission Factor, lbs/MMBtu	0.130	0.130			
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	1.258	0.837	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
NOx: Emission Factor, lbs/MMBtu	0.028	0.028			
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.248	0.164	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
VOC Emission Factor, lbs/MMBtu	0.005	0.005			
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.052	0.035	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
Lead Emission Factor, lbs/MMBtu	4.90E-07	4.90E-07			
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	4.74E-06	3.16E-06	0.00E+00	0.00E+00	0.00E+00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	228	234	311	312	410/411
<b>Hazardous Air Pollutants</b>					
POM (including naphthalene)					
Emission Factor, lbs/MMBtu	8.65E-08	8.65E-08			
Percent Control Efficiency	0	0			
Estimated or Measured Emissions (lbs/hr)	8.35E-07	5.57E-07			
Reference	AP-42	AP-42			
Benzene					
Emission Factor, lbs/MMBtu	2.06E-06	2.06E-06			
Percent Control Efficiency	0	0			
Estimated or Measured Emissions (lbs/hr)	1.99E-05	1.33E-05			
Reference	AP-42	AP-42			
Dichlorobenzene					
Emission Factor, lbs/MMBtu	1.18E-06	1.18E-06			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.14E-05	7.58E-06			
Reference	AP-42	AP-42			
Formaldehyde					
Emission Factor, lbs/MMBtu	7.35E-05	7.35E-05			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	7.10E-04	4.74E-04			
Reference	AP-42	AP-42			
Hexane					
Emission Factor, lbs/MMBtu	1.76E-03	1.76E-03			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.70E-02	1.14E-02			
Reference	AP-42	AP-42			
Toluene					
Emission Factor, lbs/MMBtu	3.33E-06	3.33E-06			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	3.22E-05	2.15E-05			
Reference	AP-42	AP-42			
Arsenic					
Emission Factor, lbs/MMBtu	1.96E-07	1.96E-07			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.89E-06	1.26E-06			
Reference	AP-42	AP-42			
Beryllium					
Emission Factor, lbs/MMBtu	1.18E-08	1.18E-08			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.14E-07	7.58E-08			
Reference	AP-42	AP-42			

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	228	234	311	312	410/411
<b>Cadmium</b>					
Emission Factor, lbs/MMBtu	1.08E-08	1.08E-08			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.04E-05	8.96E-06			
Reference	AP-42	AP-42			
<b>Chromium</b>					
Emission Factor, lbs/MMBtu	1.37E-08	1.37E-08			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.33E-05	8.84E-06			
Reference	AP-42	AP-42			
<b>Cobalt</b>					
Emission Factor, lbs/MMBtu	8.24E-08	8.24E-08			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	7.96E-07	5.30E-07			
Reference	AP-42	AP-42			
<b>Manganese</b>					
Emission Factor, lbs/MMBtu	3.73E-07	3.73E-07			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	3.60E-06	2.40E-06			
Reference	AP-42	AP-42			
<b>Mercury</b>					
Emission Factor, lbs/MMBtu	2.55E-07	2.55E-07			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	2.46E-06	1.64E-06			
Reference	AP-42	AP-42			
<b>Nickel</b>					
Emission Factor, lbs/MMBtu	2.06E-08	2.06E-08			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	1.99E-05	1.33E-05			
Reference	AP-42	AP-42			
<b>Selenium</b>					
Emission Factor, lbs/MMBtu	2.35E-08	2.35E-08			
Percent Control Efficiency	0.00E+00	0.00E+00			
Estimated or Measured Emissions (lbs/hr)	2.27E-07	1.52E-07			
Reference	AP-42	AP-42			

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	613/614	615/616	638	707	725
<b>DEQ Use Only</b>					
DEQ Plant ID Code					
DEQ Process Code					
DEQ Stack ID Code					
DEQ Building Code					
Primary SCC					
Secondary SCC					
DEQ Segment Code					

#### Part A: General Information

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	613/614	615/616	638	707	725
Building Description	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan
Manufacturer	Custom	Custom	Custom	Custom	Custom
Model	-	-	-	-	-
Date Installed	1976	1976	1976	1965?	1965?
Last Date Modified					

#### Processing Data

Input #1	Material Description	cooked food	cooked food	cooked food	cooked food	cooked food
	Maximum Rate (1000 lbs/hour)	0	0	0	0	0
	Actual Rate (1000 lbs/hour)	0	0	0	0	0
Input #2	Material Description					
	Maximum Rate (MMBtu/hr)					
	Actual Rate (1000 lbs/hour)					
Output	Material Description	dried food	dried food	dried food	dried food	dried food
	Maximum Rate (1000 lbs/hour)	2.8	2.8	2.8	30.4	30.4
	Actual Rate (1000 lbs/hour)	2.8	2.8	2.8	30.4	30.4

#### Potential HAPs in Process Stream

HAP Description		None	None	None		
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#### Part B: Operating Data

Percent Fuel Consumption:	Dec-Feb					
	Mar-May					
	Jun-Aug					
	Sep-Nov					
Operating Schedule:	Hours/day	24	24	24	24	24
	Days/week	7	7	7	7	7
	Weeks/year	52	52	52	52	52

#### Pollution Control Equipment

Type	None	None	None		
Type Code	000	000	000	000	000

#### Ventilation and Building/Area Data

Enclosed (Y/N)	Y	Y	Y		
Hood type					
Minimum flow (acfm)					
Percent Capture Efficiency					
Building height (ft)	70	70	70	70	70
Building /area length (ft)	500	500	500	500	500
Building/area width (ft)	220	220	220	220	220
Ground elevation (ft)	4863	4863	4863	4863	4863
UTM x coordinate (km)	437	437	437	437	437
UTM y coordinate (km)	4854	4854	4854	4854	4854
Stack type	02	02	02	04	04
Stack height from ground level (ft)	28	26	29	14	17
Stack exit diameter (ft) (as modeled)	2.06	2.16	1.38	0.70	0.40
Stack exit gas flowrate (acfm) (as modeled)	0	0	0	0	0
Stack exit temperature (F)	140	192	162	90	90

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	613/614	615/616	636	707	725
<b>Air Pollutant Emissions</b>					
PM: Emission Factor, lbs/000 lbs	0.457	0.357	0.101	0.000	0.002
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
PM10: Emission Factor, lbs/000 lbs	0.391	0.305	0.086	0.000	0.002
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
SO2: Emission Factor - process operation, lbs/000 lbs	0.0600	0.0460	0.0130	0.0000	0.0000
Emission Factor - fuel combustion, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
CO: Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
NOx: Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
VOC Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
Lead Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	613/614	615/616	638	707	725
<b>Hazardous Air Pollutants</b>					
POM (including naphthalene)					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Benzene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Dichlorobenzene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Formaldehyde					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Hexane					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Toluene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Arsenic					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Beryllium					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	613/614	615/616	638	707	725
<b>Cadmium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Chromium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Cobalt</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Manganese</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Mercury</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Nickel</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Selenium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	8	5001	5000	432	322
<b>DEQ Use Only</b>					
DEQ Plant ID Code					
DEQ Process Code					
DEQ Stack ID Code					
DEQ Building Code					
Primary SCC					
Secondary SCC					
DEQ Segment Code					

#### Part A: General Information

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	8	5001	5000	432	322
Building Description	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan	See Plot Plan
Manufacturer	Custom	Custom	Custom	Custom	Custom
Model	-	-	-	-	-
Date Installed	1965?	1965?	1993	1983	1972
Last Date Modified					

#### Processing Data

Input #1 Material Description	cooked food	cooked and rehydrated food	cooked and rehydrated food	cooked and rehydrated food	cooked and rehydrated food
Maximum Rate (1000 lbs/hour)	0	0	0	0	0
Actual Rate (1000 lbs/hour)	0	0	0	0	0
Input #2 Material Description					
Maximum Rate (MMBtu/hr)					
Actual Rate (1000 lbs/hour)					
Output Material Description	dried food	dried food	dried food	dried food	dried food
Maximum Rate (1000 lbs/hour)	30.4	30.4	30.4	30.4	30.4
Actual Rate (1000 lbs/hour)	30.4	30.4	30.4	30.4	30.4

#### Potential HAPs in Process Stream

HAP Description					
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#### Part B: Operating Data

Percent Fuel Consumption:	Dec-Feb				
	Mar-May				
	Jun-Aug				
	Sep-Nov				
Operating Schedule:	Hours/day	24	24	24	24
	Days/week	7	7	7	7
	Weeks/year	52	52	52	52

#### Pollution Control Equipment

Type					
Type Code	000	000	000	000	000

#### Ventilation and Building/Area Data

Enclosed (Y/N)					
Hood type					
Minimum flow (acfm)					
Percent Capture Efficiency					
Building height (ft)	70	70	70	70	70
Building /area length (ft)	500	500	500	500	500
Building/area width (ft)	220	220	220	220	220
Ground elevation (ft)	4863	4863	4863	4863	4863
UTM x coordinate (km)	437	437	437	437	#N/A
UTM y coordinate (km)	4854	4854	4854	4854	#N/A
Stack type	04	02	04	04	#N/A
Stack height from ground level (ft)	22	68	27	23	#N/A
Stack exit diameter (ft) (as modeled)	1.33	0.42	0.72	0.50	#N/A
Stack exit gas flowrate (acfm) (as modeled)	0	0	0	0	#N/A
Stack exit temperature (F)	81	76	80	80	#N/A

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	8	5061	5008	432	322
<b>Air Pollutant Emissions</b>					
PM: Emission Factor, lbs/000 lbs	0.002	0.016	0.002	0.002	0.016
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
PM10: Emission Factor, lbs/000 lbs	0.002	0.008	0.002	0.002	0.008
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
SO2: Emission Factor - process operation, lbs/000 lbs	0.0000	0.0000	0.0000	0.0000	0.0000
Emission Factor - fuel combustion, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00	0.00	0.00	0.00	0.00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
CO: Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
NOx: Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
VOC Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.000	0.000	0.000	0.000	0.000
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C
Lead Emission Factor, lbs/MMBtu					
Percent Control Efficiency	0	0	0	0	0
Estimated or Measured Emissions (lbs/hr)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Allowable emissions (lbs/hr)					
Allowable emissions (tons/yr)					
Reference	Appendix C	Appendix C	Appendix C	Appendix C	Appendix C

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	8	5001	5000	432	322
<b>Hazardous Air Pollutants</b>					
POM (including naphthalene)					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Benzene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Dichlorobenzene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Formaldehyde					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Hexane					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Toluene					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Arsenic					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
Beryllium					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B	Process B	Process B	Process B	Process B
Stack Description	8	5001	5000	432	322
<b>Cadmium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Chromium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Cobalt</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Manganese</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Mercury</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Nickel</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					
<b>Selenium</b>					
Emission Factor, lbs/MMBtu					
Percent Control Efficiency					
Estimated or Measured Emissions (lbs/hr)					
Reference					

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B
Stack Description	572

#### DEQ Use Only

DEQ Plant ID Code	
DEQ Process Code	
DEQ Stack ID Code	
DEQ Building Code	
Primary SCC	
Secondary SCC	
DEQ Segment Code	

#### Part A: General Information

Process Code or Description	Process B
Stack Description	572
Building Description	See Plot Plan
Manufacturer	Custom
Model	-
Date Installed	1997
Last Date Modified	

#### Processing Data

Input #1	Material Description	cooked and rehydrated food
	Maximum Rate (1000 lbs/hour)	0
	Actual Rate (1000 lbs/hour)	0
Input #2	Material Description	
	Maximum Rate (MMBtu/hr)	
	Actual Rate (1000 lbs/hour)	
Output	Material Description	dried food
	Maximum Rate (1000 lbs/hour)	5
	Actual Rate (1000 lbs/hour)	5

#### Potential HAPs in Process Stream

HAP Description		
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#### Part B: Operating Data

Percent Fuel Consumption:	Dec-Feb	
	Mar-May	
	Jun-Aug	
	Sep-Nov	
Operating Schedule:	Hours/day	24
	Days/week	7
	Weeks/year	52

#### Pollution Control Equipment

Type	
Type Code	000

#### Ventilation and Building/Area Data

Enclosed (Y/N)	
Hood type	
Minimum flow (acfm)	
Percent Capture Efficiency	
Building height (ft)	70
Building /area length (ft)	500
Building/area width (ft)	220
Ground elevation (ft)	4863
UTM x coordinate (km)	437
UTM y coordinate (km)	4854
Stack type	02
Stack height from ground level (ft)	16
Stack exit diameter (ft) (as modeled)	0.54
Stack exit gas flowrate (acfm) (as modeled)	0
Stack exit temperature (F)	90

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B
Stack Description	572
<b>Air Pollutant Emissions</b>	
PM: Emission Factor, lbs/000 lbs	0.150
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.00
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C
PM10: Emission Factor, lbs/000 lbs	0.038
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.00
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C
SO2: Emission Factor - process operation, lbs/000 lbs	0.0000
Emission Factor - fuel combustion, lbs/MMBtu	
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.00
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C
CO: Emission Factor, lbs/MMBtu	
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.000
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C
NOx: Emission Factor, lbs/MMBtu	
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.000
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C
VOC Emission Factor, lbs/MMBtu	
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.000
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C
Lead Emission Factor, lbs/MMBtu	
Percent Control Efficiency	0
Estimated or Measured Emissions (lbs/hr)	0.00E+00
Allowable emissions (lbs/hr)	
Allowable emissions (tons/yr)	
Reference	Appendix C

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B
Stack Description	572
<b>Hazardous Air Pollutants</b>	
POM (including naphthalene)	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Benzene	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Dichlorobenzene	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Formaldehyde	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Hexane	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Toluene	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Arsenic	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
Beryllium	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	

### SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Process Code or Description	Process B
Stack Description	572
<b>Cadmium</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
<b>Chromium</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
<b>Cobalt</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
<b>Manganese</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
<b>Mercury</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
<b>Nickel</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	
<b>Selenium</b>	
Emission Factor, lbs/MMBtu	
Percent Control Efficiency	
Estimated or Measured Emissions (lbs/hr)	
Reference	